

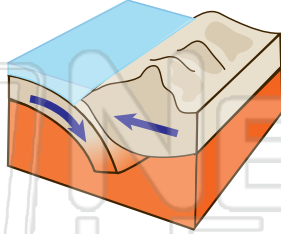


Earthquakes

Name _____ Class _____ Date _____

- 1 In this image, two tectonic plates are **colliding** with each other. What **type of stress** is being exerted on the rocks? Circle the answer.

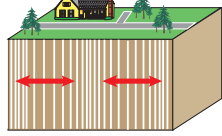
tension
compression
transform



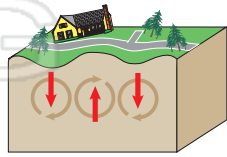
- 2 In this image two tectonic plates are **diverging** from each other. What **type of stress** is being exerted on the rocks?

- 6 **Seismic waves** known as **P-waves** _____. Circle the answer letter.

- a. move rock side to side in a shearing motion
b. move rock up and down
c. move rock back and forth, first compressing then stretching the rock



- 7 **Surface waves** travel along the surface of the Earth's crust in a **circular motion**. Why are they the **most destructive** of the three different



3 T
a
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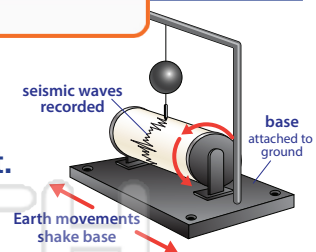
footv

4 G
fa

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- a. the hanging wall moved up relative to the footwall
b. the footwall moved up relative to the hanging wall
c. a wide gap between the walls

- 9 This **machine** is used to **measure the strength** of an **earthquake**. Name it.



- 5 Fill in the blank.
When rock breaks, energy is released. This energy causes an **earthquake**. **Energy waves that travel through the Earth** are called _____.

- 10 The **strength of an earthquake** is described on a **scale of 1 to 10**, where 1 is the weakest strength and 10 the strongest. Circle the **name of this scale**.

Seismic Richter Mohs

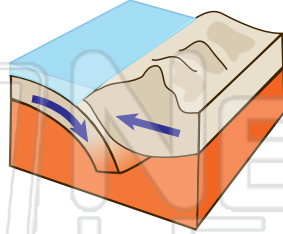


Earthquakes - Answer Key

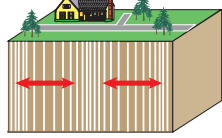
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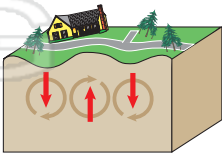
tension
 compression
 transform



- 6 Seismic waves known as **P-waves** _____. Circle the answer letter.
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tension

- 3 T
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foot

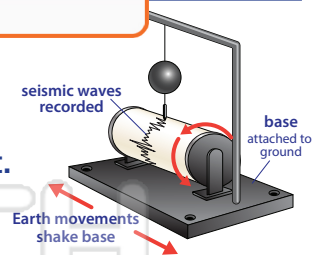


PREVIEW

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- 4 G
fa
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 - a wide gap between the walls

- 9 This **machine** is used to **measure the strength** of an **earthquake**. Name it.
seismograph



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seismic waves

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Seismic Richter Mohs